

I claim:

1. A multi-card data transfer device comprising:

a microprocessor for controlling and processing actions between each component;

5 at least two slots each having a multi-card interface, each said multi-card interface being electrically connected with said microprocessor and provided for electrically connecting with a memory card and used for receiving read/write commands of said microprocessor for memory cards of various formats of so that said microprocessor can perform read/write actions to said
10 memory card;

a key module connected with said microprocessor and providing an operation interface for users; and

a power supply providing the required power for each said component.

2. The multi-card data transfer device as claimed in claim 1, wherein said
15 microprocessor is further connected with a USB interface.

3. The multi-card data transfer device as claimed in claim 1, wherein said
memory card that can be read and written by each said multi-card interface
is one selected from the group composed of Secure Digital card, Multi
Media Card, Smart Media card, Memory Stick card, Compact Flash card,
20 PCMCIA memory card and xD-Picture card.

4. The multi-card data transfer device as claimed in claim 1, wherein two buffer
memories are further connected between said microprocessor and said two
multi-card interfaces.

5. The multi-card data transfer device as claimed in claim 1, wherein said key
25 module is programmable.

6. The multi-card data transfer device as claimed in claim 1, wherein said key module comprises:
 - at least a key; and
 - a display used for displaying the operation and use statuses of said multi-card data transfer device.
7. The multi-card data transfer device as claimed in claim 6, wherein said display comprises several display lights.
8. The multi-card data transfer device as claimed in claim 6, wherein said display is a display panel.
- 10 9. The multi-card data transfer device as claimed in claim 6, wherein said display is selected from a LED display and a LCD.
10. The multi-card data transfer device as claimed in claim 1, wherein said microprocessor is further connected with a computer connection interface for connection with a computer to accomplish bidirectional communication with said computer, and said computer provides the required power for each said component in said multi-card data transfer device.